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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/710,458	07/13/2004	James Perry	81101886 / FMC 1769 PUS	4457

28395 7590 04/19/2006  
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EXAMINER
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ROSS, DANA

ART UNIT	PAPER NUMBER
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3722

DATE MAILED: 04/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/710,458	PERRY ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Dana Ross	3722	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 27 March 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) 1-5 and 17-20 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 6-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 July 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 6-8, 15 and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No. 5,593,258 (Matsumoto et al., hereafter '258).

'258 teaches a tool holder with a conduit with bore 7 having threaded interior sections 7a, 7b (see figure 1); an adjustment screw having a threaded body section 11a and a flange section 12 having a larger diameter than the threaded body section (see figure 1); the threaded body and flange sections defining an internal fluid passage (chamfered at area 20 of figure 1) disposed axially with the conduit (see col. 4, lines 51-56 and col. 6, lines 11-13, for example); a counter bore (see reference number 23, figure 1, for example, or reference numbers 22 or 20 of figure 1) disposed coaxially with the conduit for receiving a cutting tool 25; a sealing portion (see area of reference number 16, 18, 19 or 32 of figure 1) configured to inhibit fluid leakage between the flange section 12 and the end surface of the tool; recessed portion 20 (see figure 1).

3. Claims 6-8, 10 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No. 5,004,382 (Yoshino, hereafter '382).

'382 teaches a tool holder (see figure 2, for example) with a conduit 3 having a threaded interior with a threaded adjustment screw 15 (see figure 1) with threads 16 (see figure 2) which engages the threaded interior section of the conduit 3, the screw 15 with a flange section having a

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larger diameter than the threaded body section of the screw 15 (see embodiment of reference number 35 of figure 4, for example); the threaded body and flange sections defining a chamfered internal fluid passage disposed axially with the conduit 3 (see figures 4 and 7, and col. 3, line 61 through col. 4, line 16, for example); a counter bore (see area of reference numbers 10 and 11 of figure 2, for example) disposed coaxially with the conduit 3; a sealing portion with a seal configured to inhibit fluid leakage between the flange section and the end surface (see col. 3, lines 22-24, for example); the adjustment screw 15 with a connection tube on the opposite end of the flange section (see area of reference number 40 of Figure 8) with the end portion of the tool with a recessed portion disposed proximate the fluid passage (see figure 8).

Examiner notes that the claims are replete with intended use limitations such as “adaptable”. Applicant is reminded that the recitation that an element is “adapted to” perform a function does not require any structural limitations, it only requires that it be “capable” of performing the function.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 8-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over both '258 and '382.

Both '258 and '382 teach all aspects of claim 1.

Both '258 and '382 teach the use of seals.

Claims 8-14 are drawn to the various connection embodiments of figures 3A-3H, there being no criticality placed on any particular embodiment in Applicant's disclosure.

It would have been an obvious matter of design choice to make the different connection with grooves and male and female parts of whatever form or shape was desired or expedient. A change in form or shape is generally recognized as being within the level of ordinary skill in the art, absent any showing of unexpected results. In this instance, there does not appear to be any criticality on any claimed shape. Furthermore, since Applicant has not disclosed that any particular claimed embodiment for a seal between two parts provides an advantage, is used for a particular purpose, or solves a stated problem, one of ordinary skill in the art would have expected Applicant's invention to perform equally well with the seals of either '258 or '382 since the purpose of both the prior art and Applicant's invention is to provide a "seal" between to parts.

***Response to Arguments***

6. Applicant's arguments filed 27 March 2006 have been fully considered but they are not persuasive.

Applicant asserts that neither Matsumoto '258 or Yoshino '382 teach a seal as claimed.

Independent claim 6 has the limitation of "a sealing portion configured to inhibit fluid leakage between the flange section and the end surface".

Examiner notes that there is no location or structural limitation to the "sealing portion". The only limitation is that it is "configured" to "inhibit" leakage between the flange section and the end surface.

Matsumoto '258 teaches the claimed structure of the flange section and end surface of the tool. The cited "sealing portion" of the device provides a connection between the main sleeve 1 and the subholder body 10. There is cutting fluid flowing through the holder, and the "sealing portion" of the elastic member 16, tapered sleeve 17, o-ring 19, snap ring 19 provide for a sealing portion between the flange section and the end of the surface to "inhibit" fluid leakage between the flange section 12 and the end surface of the tool.

Yoshino '382 teaches the claimed structure of the flange section and end surface of the tool with a "sealing portion" provided between the two for a mist chamber. As stated by Applicant, '382 discloses a mist chamber sealed airtightly by a seal bearing. Examiner notes that there is no claimed structure to Applicant's "sealing portion". The structure of '382 provides for a seal to prevent the fluid in the mist chamber from flowing uncontrollably through the tool holder between the flange and the end surface.

Regarding Applicant's arguments to claims 8-14, Applicant's arguments as to the dependent claims fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references.

As was stated in the previous office action, the limitations of claims 8-14 are varying embodiments of the shape and location of the seal. Applicant has placed no criticality on any shape or location of the sealing portion.

### ***Conclusion***

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dana Ross whose telephone number is 571-272-4480. The examiner can normally be reached on Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer Ashley can be reached on 571-272-4502. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



dmr



**BOYER D. ASHLEY**  
**SUPERVISORY PATENT EXAMINER**